

filed _____,] patent application no. 09/553,836, filed 4/21/2000, now U.S. Patent 6,406,265, entitled "Compressor Diagnostic and Recording System".

Paragraph [8]:

Thus, it would be desirable for a low voltage device, such as diagnostic control device, a sensor, etc. to make use of the existing electric power supply that powers the electric motor of the compressor. Thus, the low voltage device can be positioned within the compressor shell without requiring additional low voltage wiring to be fed through any additional openings in the sealed compressor shell.

Paragraph [9]:

In the disclosed embodiment of this invention a refrigerant compression system is provided with an electronic circuit to feed low voltage electrical power to a diagnostic control device. The diagnostic control device is positioned within the sealed housing, of the compressor and operates using low voltage electrical power. The low voltage electrical power required to operate the diagnostic control device is obtained from an existing high voltage electric power source that is used to power the motor of the compressor.

Paragraph [10]:

The compressor shell is provided with an inlet opening through which a high voltage power line extends. The high voltage power line extends from a high voltage electric power source positioned outside of the sealed compressor shell. Within the compressor shell, the electric power used to operate the diagnostic control device is tapped

from the existing high voltage incoming power line, and then converted to the required low voltage electric power. The power is converted using a known conversion circuit preferably including a transformer.

Paragraph [11]:

The diagnostic control device is powered with the desired low voltage electric power using the existing high voltage power line. Thus, the necessity to feed additional low voltage wiring through any additional inlet openings in the compressor shell is eliminated.

Paragraph on [17]:

A diagnostic control device 24 is provided at a location within the compressor shell

18. Diagnostic control device 24, which is preferably a microprocessor, can monitor a variety of operational conditions of the compressor 10 during use. The details of the control device are as disclosed in [co-pending application, Serial No. _____ filed _____] patent application no. 09/553,836, filed 4/21/2000, now U.S. Patent 6,406,265 and entitled “Compressor Diagnostic and Recording System”. Diagnostic control device 24 requires a relatively low voltage electrical power supply in order to operate. Electrical power is tapped from incoming power line 20 at a power tap and converted to the required lower voltage electrical power by way of conversion circuit 27 which include a transformer and appropriate circuit safety components. A worker in the electrical arts could provide an appropriate conversion circuit. The lower voltage electrical power is then supplied to diagnostic control device 24 by way of power feed line 28.

Paragraph [18]:

The diagnostic control device 24 operates using power from the existing incoming power line 20, thus eliminating the need for additional low voltage wiring to be fed through any additional openings in the compressor shell 18.